

Table 5. CaM and CML binding protein kinases identified on protein microarrays.

AT#	Description	CaM1	CaM6	CaM7	CML8	CML9	CML10	CML12	BtCaM	# of hits
AT5G23170	Receptor-like kinase Crinkly 4 Like Kinase	X								1
AT1G74490	Receptor Like Cytoplasmic Kinase							X		1
AT2G26730	Receptor-like Leucine Rich Repeat Kinase	X		X						2
AT2G02800	Receptor Like Cytoplasmic Kinase (APK2b)	X				X				2
AT2G39660	Receptor Like Cytoplasmic Kinase VII				X				X	2
AT1G14370	Receptor Like Cytoplasmic Kinase (APK2a)	X	X	X		X	X			5
AT5G24080	S Domain Kinase (Type 2)	X	X	X		X	X			5
AT1G28390	Receptor-like kinase Crinkly 4 Like Kinase	X	X	X	X	X	X			6
AT5G01890	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X			6
AT1G27190	Receptor-like Leucine Rich Repeat Kinase	X	X	X		X	X		X	6
AT1G68400	Receptor-like Leucine Rich Repeat Kinase	X	X	X		X	X		X	6
AT3G02880	Receptor-like Leucine Rich Repeat Kinase	X	X	X		X	X		X	6
AT5G10520	Receptor Like Cytoplasmic Kinase	X	X	X	X	X	X	X		7
AT2G48010	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X		X	7
AT1G56145	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X	X	X	8
AT3G28450	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X	X	X	8
AT4G23170	Receptor Like Cytoplasmic Kinase	X	X	X	X	X	X	X	X	8
AT5G49760	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X	X	X	8
AT5G56040	Receptor-like Leucine Rich Repeat Kinase	X	X	X	X	X	X	X	X	8
AT4G23290	Protein kinase of unknown function	X								1
AT1G51170	Protein kinase family protein				X					1
AT3G44200	Protein kinase family protein	X								1
AT1G69270	Protein kinase (SIK1)	X							X	2
AT5G40540	Protein kinase, putative, similar to ATN1				X			X		2
AT5G53450	Protein kinase family protein	X	X	X	X	X	X	X		7
AT3G23310	Protein kinase family protein	X	X	X	X	X	X		X	7
AT5G56890	Protein kinase family protein		X	X	X	X	X	X	X	7
AT3G12200	Protein kinase family protein	X	X	X	X	X	X	X	X	8
AT4G04570	Protein of unknown function (DUF26) kinase	X	X	X	X	X	X	X	X	8
AT4G13020	Protein kinase (MHK)	X	X	X	X	X	X	X	X	8
AT3G06030	MAPKKK12; NPK1-related protein kinase 3		X							1
AT5G56580	MAPKK6							X		1
AT1G10210	MAPK1	X							X	2
AT5G11620	MAPKKK					X		X		2
AT4G23050	MAPKKK delta-1 protein kinase, putative	X				X			X	3
AT1G53510	MAPK19	X	X	X		X	X		X	6
AT4G26070	MAPKK1	X	X	X		X	X		X	6
AT3G50310	MAPKKK20	X	X	X	X	X	X		X	7
AT1G18890	Ca2+-dependent protein kinase 1 (CDPK1)					X				1
AT5G58380	CBL-interacting protein kinase 10 (CIPK10)							X		1
AT1G12680	Ca2+-dependent protein kinase, putative	X	X	X		X	X		X	6
AT3G19100	Ca2+-dependent kinase, similar to NtCaMK3	X	X	X		X	X		X	6
AT4G30960	CBL-interacting protein kinase 6 (CIPK6)	X	X	X		X	X		X	6
AT1G74740	Ca2+-dependent kinase, putative (CDPK30)	X	X	X	X	X	X	X	X	8
AT4G23650	Ca2+-dependent kinase, putative (CDPK6)	X	X	X	X	X	X	X	X	8
AT5G35410	CBL-interacting protein kinase 24 (CIPK24)	X	X	X	X	X	X	X	X	8
AT1G75100	Similarity to Cyclin G-associated kinase	X					X			2
AT3G05050	CDC2 Like Kinase Family			X	X	X				3
AT1G20930	CDC2 Like Kinase Family (CDKB2;2)	X	X	X	X	X	X	X	X	8
AT1G54610	CDC2 Like Kinase, similar to BvCRK1	X	X	X	X	X	X	X	X	8
AT1G34300	Lectin protein kinase family protein S Domain							X	X	2
AT4G02410	Lectin protein kinase family protein	X	X	X	X	X	X	X	X	8
AT3G57730	Wall Associated Kinase								X	1
AT5G66790	Wall Associated Kinase-like Kinase	X	X	X	X	X	X	X	X	8
AT4G14340	Casein kinase I	X	X	X	X	X	X	X	X	8
AT2G23080	Casein kinase II alpha chain, putative	X	X	X	X	X	X	X	X	8
AT1G09840	Shaggy-related protein kinase beta (ASK10)	X						X	X	3
AT3G61160	Shaggy-related protein kinase beta (ASK2)	X	X		X	X	X	X	X	7
AT2G30980	Shaggy-related protein kinase delta (ASK4)	X	X	X	X	X	X	X	X	8
AT2G43850	Ankyrin protein kinase, putative (APK1)	X				X				2
AT4G18950	Ankyrin protein kinase, putative	X	X	X	X	X	X	X	X	8
AT4G26270	Phosphofructokinase family protein	X	X			X				3
AT4G28706	PfkB-type carbohydrate kinase family protein	X		X					X	3
AT5G47810	Phosphofructokinase family protein	X	X	X		X	X			5
AT4G37870	Phosphoenolpyruvate carboxykinase, putative	X	X	X		X	X		X	6

AT4G39540	Shikimate kinase family protein	X	X	X	X	X	X	X		7
AT4G17080	Phosphatidylinositol-4-phosphate 5-kinase	X	X	X	X	X	X	X	X	8
AT4G35600	Protein kinase, Gap junction homologue	X	X	X	X	X	X	X	X	8
AT4G34380	Similar to Myosin heavy chain kinase B	X	X	X	X	X	X	X	X	8
AT3G63260	MRK1 (related to mixed-lineage kinases)								X	1
Total		56	46	46	36	51	45	34	45	

X interactions found on the protein microarray analyses